

# ROKSAN

*Kandy*

**AM / FM TUNER  
MkIII**

USER MANUAL

## **ROKSAN AUDIO LIMITED**

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Congratulations on your purchase of the ROKSAN Kandy AM / FM Tuner. This Tuner is designed and manufactured to high specification and rigorously tested to reward you many years of listening pleasure. Your Kandy Tuner is an important source for your hi-fi system. Its correct installation, set-up and operation will have a profound influence on the sonic performance of the entire hi-fi installation. Please read the contents of this manual thoroughly. It will help you to understand your hi-fi equipment better and enhance your listening pleasure.

This manual is divided into the following sections:

- Safety Instructions (Accompanying Card)
- Introduction
- Installation
- Setup
- Operation
- Remote Control
- Guarantee
- Specifications

## **UNPACKING**

Included in the packing of your Kandy Tuner you will find:

- One mains lead fitted with the correct mains power plug for your country
- One Kandy **MkIII** System Remote Handset and AA batteries (x2)
- One FM indoor 'T' Aerial and Adaptor
- One AM indoor Aerial
- One information pack and warranty card

After removing these items please retain **all** packing materials. Correct packing is necessary for safe transportation of your Kandy Tuner.

## **MAINTENANCE**

After disconnecting the Tuner from the mains supply, the cabinet and front panel may be cleaned with a lightly dampened soft cloth or chamois leather. **Avoid using abrasives or solvents.**

## **EU DIRECTIVES**

This product is designed to comply with the legal provisions of EU Directives 89/3336/EC and 72/23/EC. The standards which have been applied are those which were in force at the time of the introduction of this product.

This product bears the CE mark.

This product is compliant to EN 60065.



**This product must be earthed.** Please ensure that other equipment connected to it is earthed according to the manufacturer's instructions.

### **AC MAINS SUPPLY**

Your Kandy Integrated Amplifier is set to operate from a fixed supply voltage which is marked on a label next to the mains input plug. Before connecting the mains lead please check that your mains supply corresponds to this label as below:

230V Products .....	Voltage Range: 220V – 240V
115V Products .....	Voltage Range: 100V – 120V

The mains lead supplied with this product has an IEC mains socket which plugs into the IEC connector on the unit's rear panel. The other end is normally attached to the appropriate mains plug for your country. In the UK this is the standard UK13A plug.

This plug should ordinarily not be removed from the lead. If you *do* remove it, please dispose of it safely so that it cannot be plugged into a mains socket whilst in a potentially dangerous condition. We suggest that you obtain from your dealer a complete replacement lead.

Should you move to another area where either the mains voltage or the mains plugs are different from those as supplied with your Integrated Amplifier, please contact the appointed ROKSAN distributor for assistance.

#### **Please observe correct mains polarity at all times.**

The Integrated Amplifier mains fuse is located on the rear panel next to the IEC mains connector. This must only be replaced by the fuse of the type and rating as described on the fuse rating label on the rear panel of the unit.

This product requires connection to earth (ground). The earth wire (in the UK this is colour coded green/yellow) of the mains cable supplied with your Integrated Amplifier must be connected to a suitable earthing point established for this purpose by your electricity supply company. If you are in any doubt, consult a qualified electrician.

If the equipment is likely to be unused for some time, unplug it from the mains supply.

### **GENERAL CAUTIONS**

#### **FCC WARNING**

This equipment may generate or use Radio Frequency energy. The user may lose the right to operate this equipment if unauthorised modifications are made.

#### **INTERFERENCE**

Properly installed, this unit should not cause harmful interference to radio communications, There is, however, no guarantee that such interference will not occur in a specific installation. If interference arises (which you can determine by switching the unit off and on) you could try to remedy matters by the following:

- Re-orient or re-locate the receiving antenna
- Increase the distance between the Kandy Integrated Amplifier and receiver
- Connect the unit to a different mains circuit from that of the receiver
- Consult your ROKSAN appointed dealer or an experienced Radio/TV technician for help and advice

#### **LOCATION**

Your Kandy Integrated Amplifier should be located in a well ventilated area and kept away from sources of heat, dust and humidity and from direct sunlight.

The Integrated Amplifier may be positioned either as a free standing unit or alongside another audio/video product.

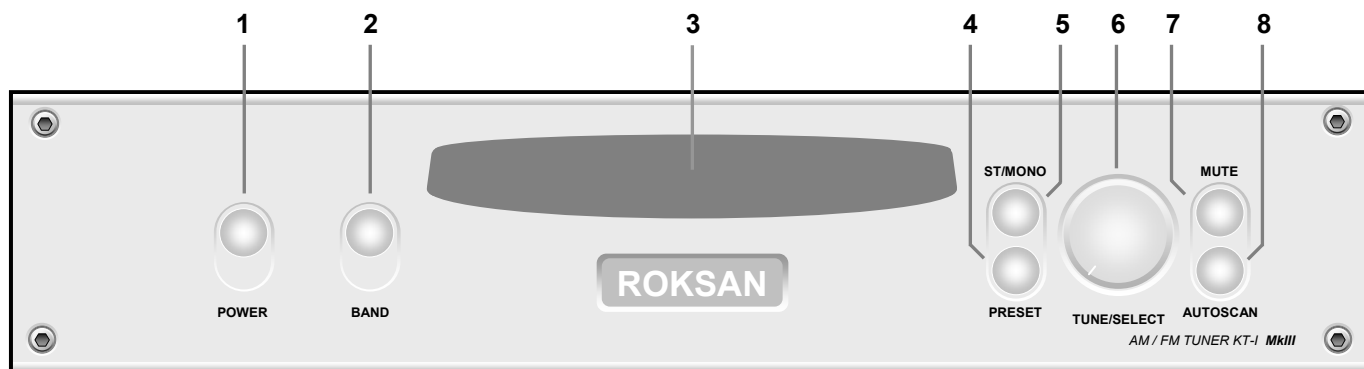
Never place the Integrated Amplifier on carpet or any surface likely to hinder normal ventilation.

Never allow liquids or other objects to fall into the unit.

This unit contains no user serviceable parts. **Do Not remove any panels or attempt to service it yourself.**

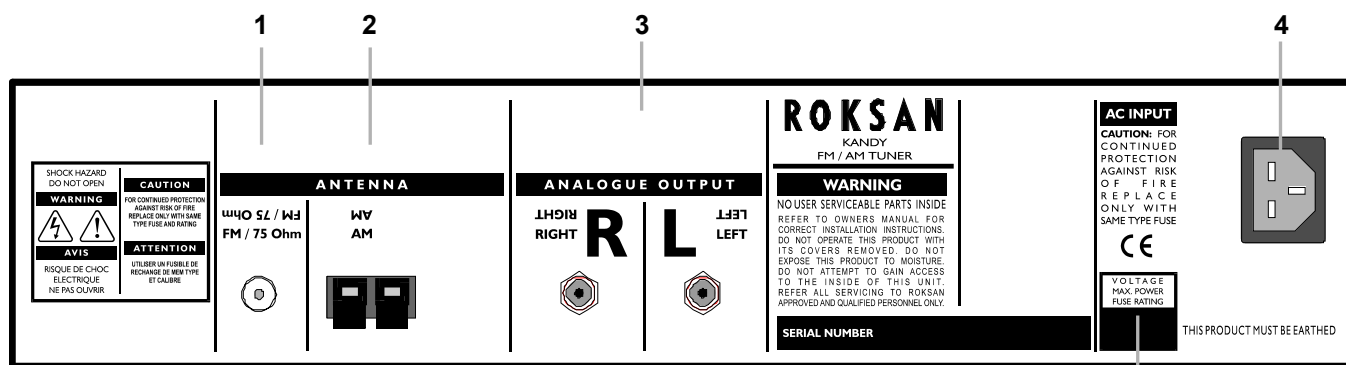
Unauthorised servicing will void the warranty.

## ROKSAN Kandy Tuner - Front Panel View



1. Mains AC Power Button
2. Band Selection Button
3. FL Display
4. Preset Button
5. Stereo / Mono Button
6. Tuning / Selection Knob
7. Mute Button
8. Autoscanner Button

## ROKSAN Kandy Tuner - Rear Panel View



1. FM 75  $\Omega$  Antenna Input
2. AM Antenna Input
3. Analogue Output (Left & Right)
4. IEC Mains Inlet Socket
5. Voltage & Fuse Rating Label

5

# SETUP

# K a n d y AM / FM Tuner

## CONNECTING MAINS POWER

The moulded IEC connector of the supplied mains lead should be plugged into the socket (4) on the rear of the unit first and then plugged into the mains supply. The Mains power switch (1) is on the front panel of the Tuner. Your Tuner should be switched off when not in use and if it is to be unattended for a long period, it should be switched off and the mains lead unplugged from the wall.

## **ANTENNA CONNECTIONS**

### **FM Antenna:**

Connect the adaptor & the 'T' FM Antenna supplied to the antenna socket **(1)** on the back panel. (NOTE: A high quality indoor or out door FM aerial can improve the performance of your Kandy Tuner)

### **AM Antenna:**

Connect the AM Antenna supplied to the antenna sockets **(2)** on the back panel. (NOTE: A high quality AM aerial can improve the performance of your Kandy Tuner).

**IMPORTANT NOTE:** For optimum performance it is recommended to use high quality inter-connect cables such as **ROKSAN HDC-02A** High Definition Analogue Cable and **ROKSAN HDC-01D** High Definition Coaxial Cable for aerial extensions.

## **OPERATION**

## *K a n d y   AM / FM Tuner*

### **SWITCHING ON**

The Mains power switch **(1)** is located on the front panel of the Tuner. When switched ON, your Kandy Tuner FL Display will illuminate with the word 'ROKSAN' for a few seconds it will then revert to the previously selected preset.

### **USING THE CONTROLS**

#### **BAND SELECTION**

Press the Band Selection Button **(2)** on the front panel to toggle between **FM** and **AM**. Notice on the display the frequency indication will change from **MHz** to **kHz** and the preset indicator will also change from **'F'** to **'A'** for FM and AM respectively.

#### **AUTO/MANUAL SCAN**

Press the Auto-scan Button **(8)** on the front panel to toggle between **scan** tuning and **manual** tuning. Notice on the display if 'AUTO' is lit. If so by simply turning the Tune/Select Knob **(6)** by approximately a ¼ turn clockwise or anti-clockwise, the tuner will automatically scan up or down until a strong enough signal is detected. It will then stop at that frequency and if it happens to be a desired radio station, you can store it in one of the preset memories. Otherwise, just turn the knob a little again and the tuner will search for the next strong signal and so on.

In manual mode ('AUTO' not illuminated) turning the Tune/Select Knob will advance up or down the tuning frequency to allow you select your desired radio station.

#### **PRESET SELECTION**

Press the Tune/Select Knob **(6)** to toggle between tuning and preset selection. Notice when preset selection is chosen the preset indicator and memory indicator 'MEM' flash. Simply turn the knob anti-clockwise to go back and clockwise to go forward to your desired preset (For example the 5<sup>th</sup> preset location: **05F**). Once on the desired preset, press the knob again to complete your selection.

#### **PRESET PROGRAMMING**

You can programme up to 99 presets to your favourite radio stations. Once you have selected a radio station, press the Preset Button **(4)**; the preset indicator and memory indicator 'MEM' start to flash. Simply turn the Knob **(6)** until you get to the desired preset number that you wish to store this station in (For example the 11<sup>th</sup> preset location: **11F** or **11A** if storing an AM frequency) and press the Preset Button again to store and complete your selection.

## STEREO / MONO SELECTION

Press the St/Mono Button **(5)** on the front panel to toggle between **Stereo** and **Mono** (while you are listening to a stereo FM broadcast). This is a useful feature especially when tuned to a 'weak' radio station with excessive background noise. To reduce this background noise, simply select Mono which increases the tuner's signal to noise ratio.

## MUTE SELECTION

Press the Mute Button **(7)** on the front panel to toggle between **Muted** and normal audio output. Notice when mute is selected the display will show 'MUTE' and the audio put puts are muted completely. Press the mute button again to revert to the previously selected radio station with unmuted audio output.

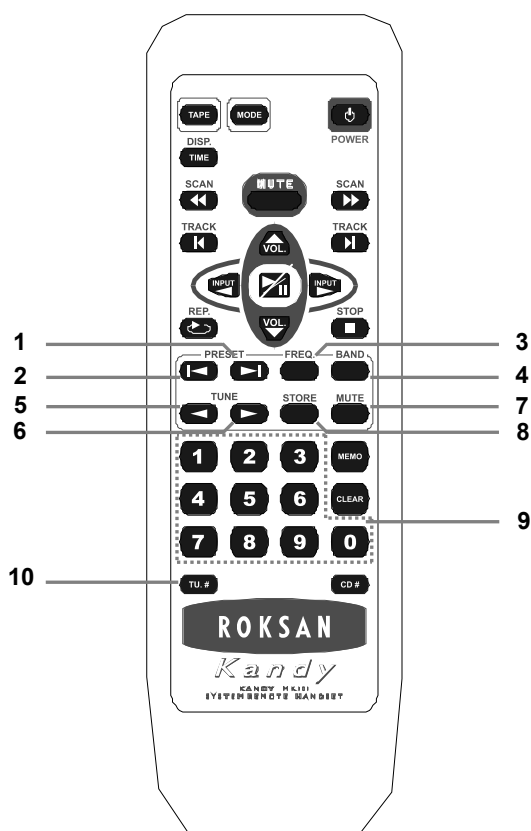
## REMOTE CONTROL

### *K a n d y* AM / FM Tuner

Your Tuner is supplied with a Kandy **MKIII** System Remote Handset.

The Remote Control Handset is powered by two 1.5V AA batteries (supplied). When inserting the batteries observe the correct polarity.

The handset duplicates all front panel controls (except mains AC power switch) and contains some additional features.



- 1 PRESET UP
- 2 PRESET DOWN
- 3 FREQUENCY INPUT
- 4 AM/FM BAND SELECTION
- 5 TUNE DOWN
- 6 TUNE UP
- 7 MUTE
- 8 MEMORY STORE
- 9 NUMERIC KEYS
- 10 TUNER NUMERIC KEY SELECTOR

## NUMERIC KEYS

1. To activate the Numeric Keys **(9)** for the Tuner press **TU.#** Button **(10)**.
2. To enter any digit (for example the station Frequency) press corresponding digits from the Numeric Keys **(9)**.

## FREQUENCY

Pressing the Freq. Button **(3)** lets you enter the station frequency directly from the numeric key pad without scanning up or down.

1. Press the Freq. Button **(3)** the display will blank the frequency digits ready for entering the new ones.
2. Enter the corresponding digits from the Numeric Keys **(9)**.

## GUARANTEE

## K a n d y AM / FM Tuner

There are no user-serviceable parts inside your Kandy Tuner. If a fault should develop, refer any servicing to your appointed ROKSAN dealer, distributor or ROKSAN approved service agent.

Your ROKSAN Kandy Tuner is guaranteed against any defect in materials and workmanship for a period of **two years** from the date of purchase.

This guarantee only becomes effective if the warranty card is validated by the ROKSAN retailer from whom the equipment was purchased and returned to ROKSAN within **28 days** of purchase.

This guarantee excludes:

1. Damage caused due to accident, misuse, neglect and incorrect installation, adjustment or repair.
2. Liability for damage or loss during transit from the retailer or purchaser to ROKSAN or its authorised distributor for the purposes of repair or inspection.

Carriage costs to ROKSAN shall be borne by the consignor.

All claims under this guarantee must be made through an authorised ROKSAN retailer.

If equipment returned for repair to ROKSAN is found on inspection to comply with the product specification ROKSAN reserves the right to make a charge for examination and return carriage.

**Unauthorised servicing will void this guarantee.**

## SPECIFICATIONS

## K a n d y AM / FM Tuner

Number of presets	99
Audio Output (@ 75kHz Dev. Mono 1kHz)	1.3 V
Aerial Input	FM 75Ω Coaxial AM Quick Connect Terminals
S/N Ratio (CCIR – ARM)	FM: Mono >75dB Stereo >69dB AM: >50dB
THD+N @ 1kHz 775mV (400Hz HPF, 30kHz LPF)	Mono, 75kHz Deviation <0.4% Stereo, 75kHz Deviation <0.5%
Sensitivity (IHF)	11dB μ
Tuning Range	FM: 87.5 – 108 MHz AM: 522 – 1611 kHz
Frequency Response (FM)	20Hz - 15kHz (-1dB)
Power Source	220V – 240V 50Hz / 60Hz 100V – 120V 50Hz / 60Hz
Power Consumption	<17 W
Dimension	432 x 380 x 90 (W x D x H) mm 432 x 380 x 102 (including feet)
Weight	7Kg

## NOTES

## *K a n d y Integrated Amplifier*

**Kandy Integrated Amplifier MKIII**

Serial Number: .....

**Purchase Date**

Year ..... Month ..... Day .....

**ROKSAN Retailer**

Name: .....

Location: .....

*Please keep a record for future reference*

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